

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: BOCQUIER, Francois

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EXAMINER: Hayes, K. C.

TITLE: METHOD AND DEVICE FOR AUTOMATICALLY DETECTING MATING OF ANIMALS

Amendment A: CLAIM AMENDMENTS

Claims 1 - 20 (canceled).

21. (new) An apparatus for automatically detecting an attempt at mating a female animal by a detecting animal, the apparatus comprising:

a passive electronic tag suitable for placement within an organ of the female animal;

a means for detecting said passive electronic tag, said passive electronic tag being activated by said means for detecting; pruning machine comprising:

at least one cutter bar;

a means for identifying said passive electronic tag; and

a fastener connected to said means for detecting and said means for identifying, said fastener suitable for attachment to the detecting animal.

22. (new) The apparatus of Claim 21, said passive electronic tag suitable for placement within a digestive tract of the female animal.

23. (new) The apparatus of Claim 21, said means for detecting and said means for identifying emitting a magnetic field so as to energize said passive electronic tag.

24. (new) The apparatus of Claim 21, further comprising:

a means for writing onto said passive electronic tag.

25. (new) The apparatus of Claim 21, said fastener comprising:

a harness attached to said means for identifying, said harness suitable for attachment to the detecting animal, said means for identifying having an antenna suitable for receiving signals emitted by said electronic tag during the attempt at mating.

26. (new) The apparatus of Claim 21, said means for detecting comprising a verticality sensor.

27. (new) The apparatus of Claim 21, said means for detecting comprises a pressure sensor mounted on a belly of the detecting animal, said pressure sensor suitable for sensing a pressure applied to a back of the female animal.

28. (new) The apparatus of Claim 21, said means for detecting comprising a temperature sensor placed under a belly of the detecting animal.

29. (new) The apparatus of Claim 21, said means for detecting comprising a motion sensor, said motion sensor being responsive to a movement of the detecting animal.

30. (new) The apparatus of Claim 21, further comprising:

a means for identifying the female animal by processing an image of at least one part of the female animal, said means for identifying the female animal being activated by said means for detecting.

31. (new) The apparatus of Claim 31, further comprising:

a means for determining a time and a date of the attempt at mating.

32. (new) The apparatus of Claim 21, further comprising:

a means for transmitting at least one part of the identification of the female animal as identified by said means for identifying.

33. (new) The apparatus of Claim 21, further comprising:

a means for processing the identification of the female animal so as to determine at least one satisfied analysis of the attempt at mounting.

34. (new) The apparatus of Claim 33, said means for processing for calibrating a libido of the detecting animal.